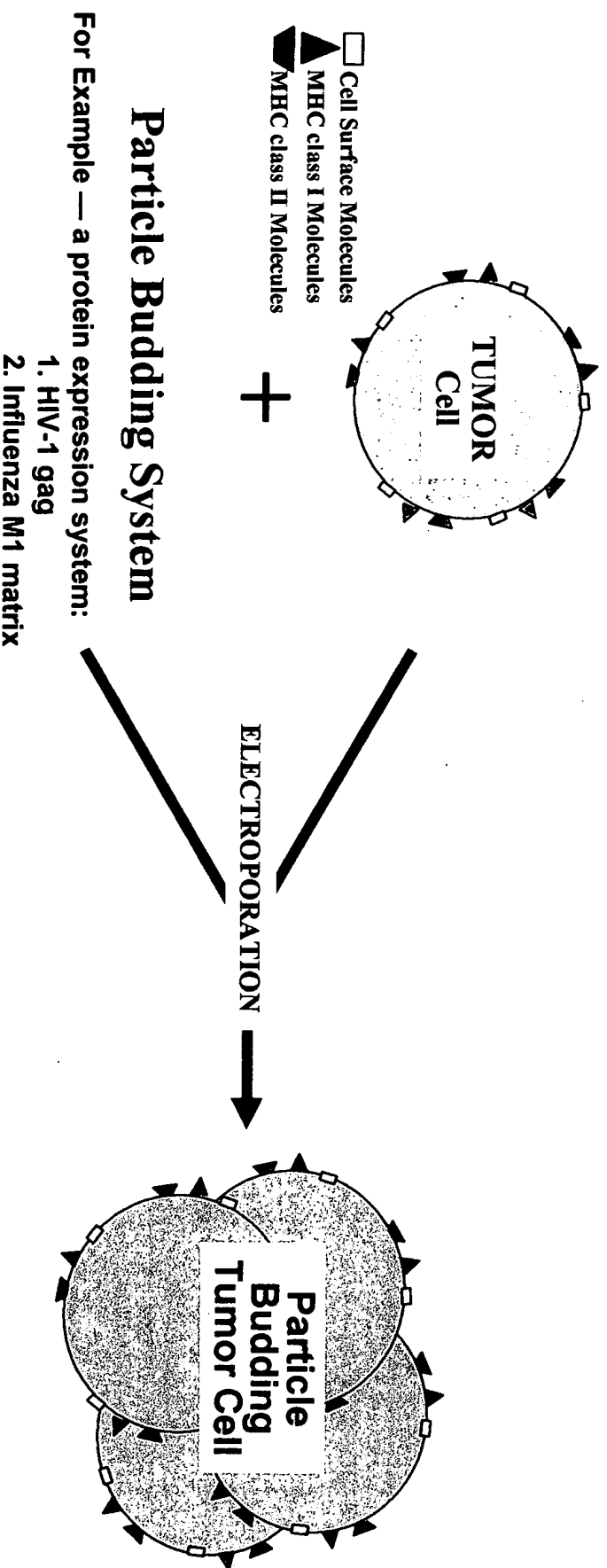


**Figure 1**

## **Schematic Representation of Construction of a Virus-Like-Particle Producing Tumor Cell**



**Figure 2**

# Schematic Representation of the introduction of Co-stimulatory Molecules into the budding particles released from tumor cells

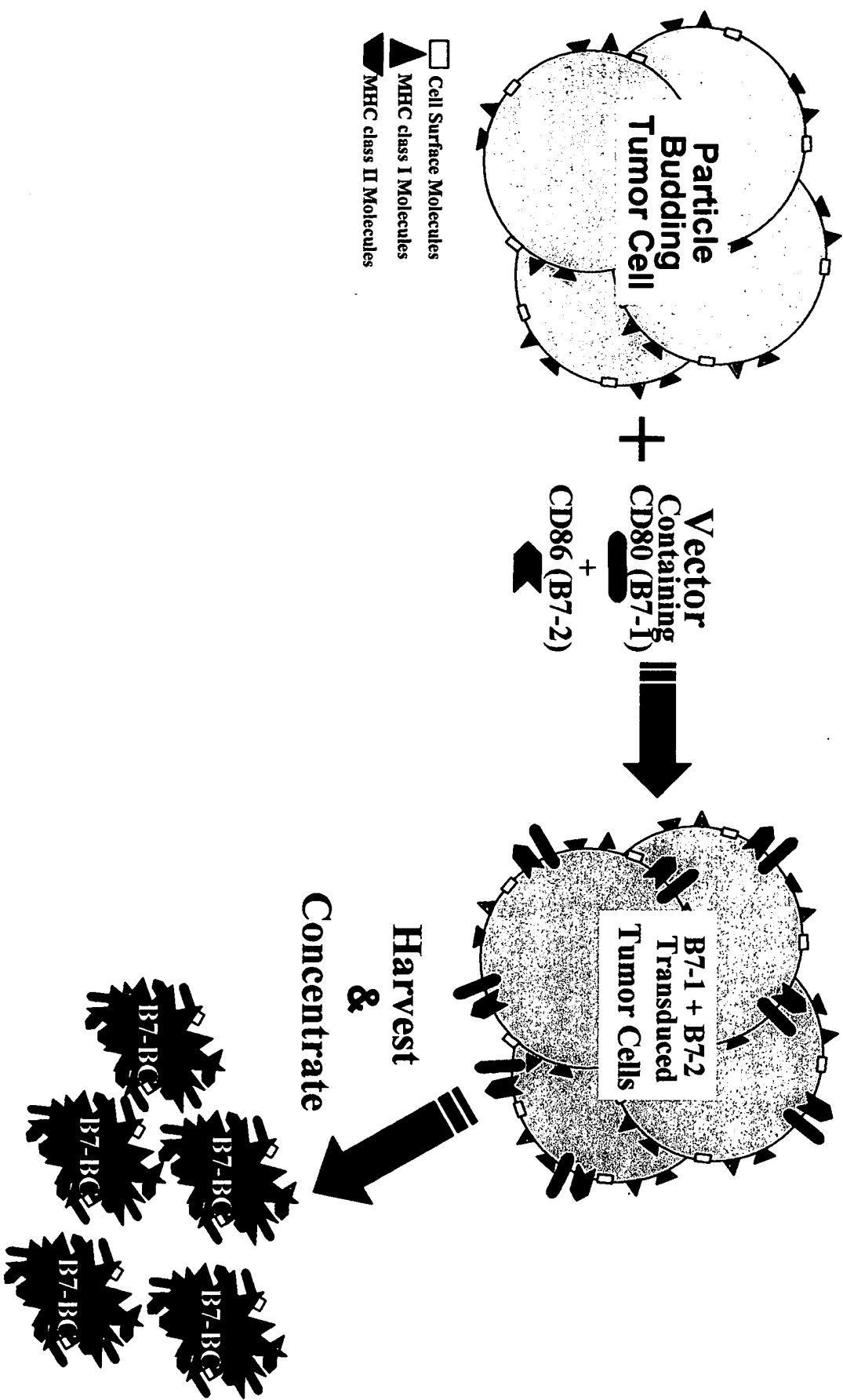
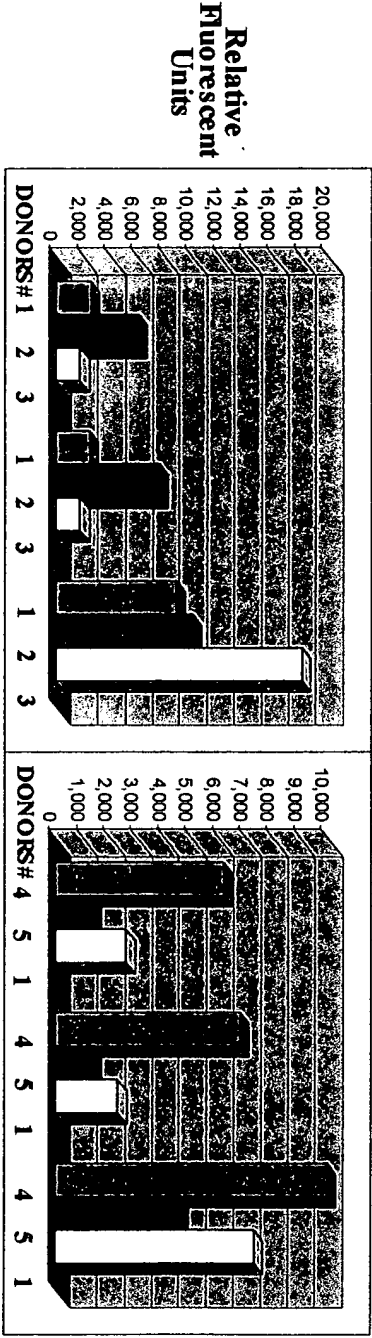


Figure 3

Comparing T-cell proliferation between:  
hPBMCs not treated  
hPBMCs treated with Biological Particles / Carriers  
from unmodified cultures  
hPBMCs PHA treated

Two biological carrier preparations (BCs) shown each tested on cells from 3 donors  
Left Panel: HSV-2 based with donor #1, 2 & 3 cells  
Right Panel: HIV-1 based with donor #4, 5 & 1 cells



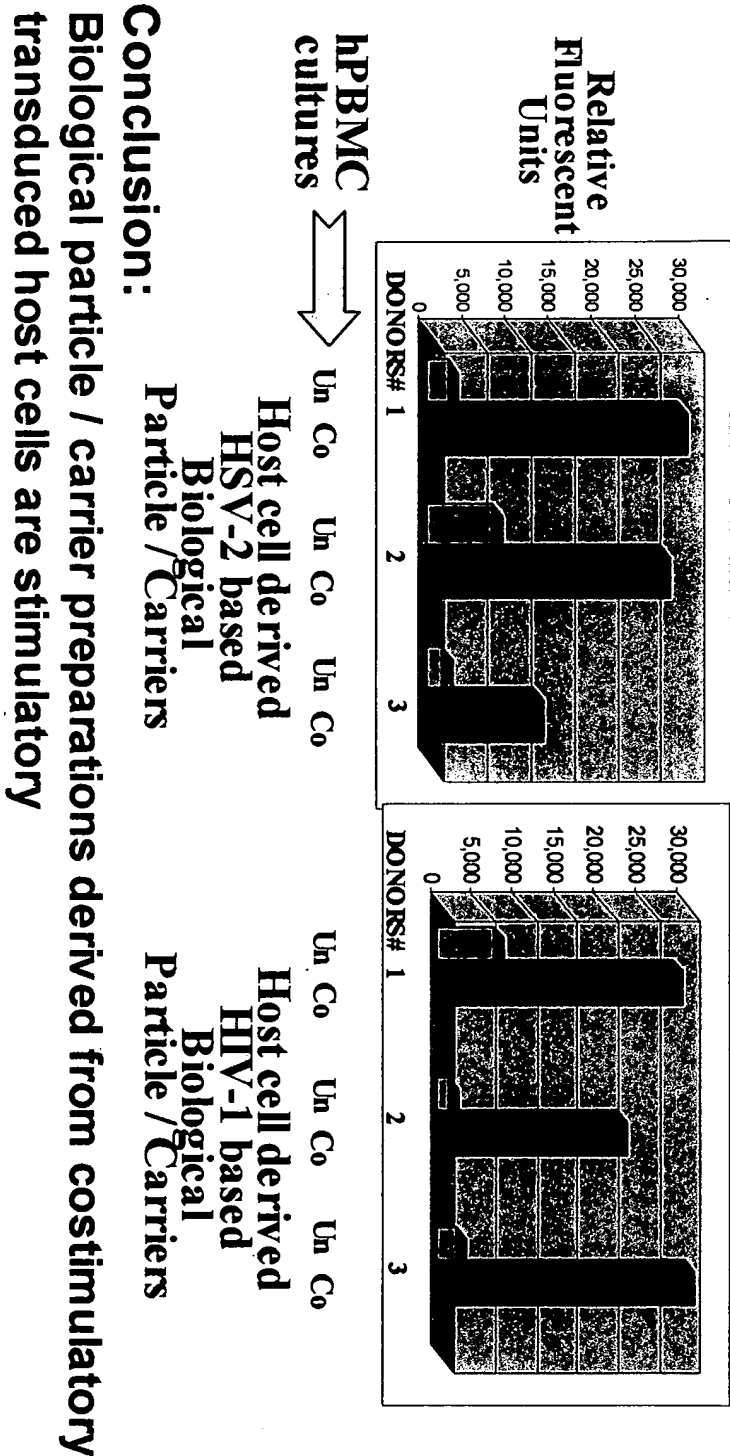
hPBMC cultures  $\longleftrightarrow$  Not Treated PHA Treated  
Treated with BCs from unmodified cultures  
HSV-2 based  
HIV-1 based  
Conclusion:  
Biological particles / carrier preparations from unmodified  
host cells are NOT stimulatory

**Figure 4**

**Comparing T-cell proliferation with HSV-2 & HIV-1 based biological particle / carrier preparations:**

Unmodified (Un) host cells  
Costimulatory-transduced (Co) host cells

**Unstimulated hPBMCs (not PHA-treated) were exposed to the indicated preparation**  
Left Panel: Compares 6 day treatment of donor #1, 2 & 3 T-cells with HSV-specific particles formed from Un and Co transduced host cells  
Right Panel: Compares 6 day treated donor #4, 5 & 1 T-cells with HIV-specific particles formed from Un and Co transduced host cells



**Conclusion:**

**Biological particle / carrier preparations derived from costimulatory transduced host cells are stimulatory**